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ENVIRONMENTAL IMPROVEMENT PROJECTS IN COASTAL COMMUNITIES 1990-1997

DOCUMENTS COLLECTION
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Listing prepared by the Massachusetts Coastal Zone Management Office
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CITIZEN MONITORING GRANTS (MCZM) [1997]

Objective: to aid local volunteer monitoring groups
Funding Source: State Budget Line Item

North Shore

Newbury
$1,505
Funds to the Parker River Clean Water Association for field equipment

Ipswich
$5,000
Funds to the Ipswich River Watershed Association for field equipment

Salem
$4,938
Funds to Salem Sound 2000 for field equipment

Saugus
$2,102
Funds to the Saugus River Watershed Council for field equipment

Metro/Boston

Boston
$4,000
Funds to Save the Harbor/Save the Bay for outside laboratory analysis for bacteria

South Coastal

Kingston
$5,000
Funds to the Jones River Watershed Association for field equipment and outside bacterial analysis

Westport
$4,794
Funds to the Westport River Watershed Alliance for laboratory equipment

Buzzards Bay
$5,000
Funds to the Coalition for Buzzards Bay for field equipment

Cape Cod and Islands

Falmouth
$5,000
Funds to the Falmouth Pond Watchers for field and laboratory equipment

Orleans
$4,214
Funds to the Orleans Water Quality Task Force for field equipment

Provincetown
$4,667
Funds to the Center for Coastal Studies for equipment and volunteer training to support their groundwater and stormwater Pollution project

COASTAL POLLUTANT REMEDIATION PROGRAM (MCZM) [1996, 1997]

Objective: to treat stormwater runoff from roadways
Funding Source: State Transportation Bond Bill

North Shore

Ipswich
$27,050
Installation of StormTreat Systems to remediate stormwater pollution at two sites: at Water Street/Ipswich River and at County and Elm Streets

Ipswich
$11,659
Installation of a detention swale to treat polluted runoff and excess sedimentation to a critical spawning area for rainbow smelt in the Ipswich River

Marblehead
$20,000
Seed money to investigate pollutant loading from the Wyman's Cove, a Shellfish Bed Restoration site

Revere
$20,000
Seed money to investigate pollutant loading to Town Line Brook and its tributaries which flows into the Pines River, a Shellfish Bed Restoration site, and the Rumney Marshes Area of Critical Environmental Concern

Metro-Boston

Weymouth
$53,400
Installation of StormTreat Systems to remediate stormwater pollution at Puritan Road near the Back River

South Coastal

Seekonk
$37,500
Installation of catch basins and associated leaching catch basins to treat stormwater from School Street flowing to the Runnins River

Seekonk **$90,000**	Installation of leaching catch basins to infiltrate stormwater runoff from a densely urbanized area near County Street which is degrading the Runnins River
Wareham **$111,563**	Installation of leaching catch basins to treat stormwater runoff from the Indian Mound neighborhood which is contributing to closed shellfish beds
Wareham **$86,500**	Installation of leaching galleys and catch basins to remediate stormwater impacts to Broad and Muddy Coves

Cape Cod and Islands

Barnstable **$22,000**	Installation of StormTreat Systems to remediate stormwater pollution at Rt. 149 at the Mill Pond and the Marstons Mills River
Bourne **$64,800**	Funds for materials to install leaching catch basins at Barlow's Landing
Chatham **$29,103**	Installation of leaching catch basins to intercept stormwater runoff currently closing shellfish beds in Oyster Pond
Falmouth **$36,300**	Installation of leaching catch basins for the treatment of stormwater pollution flowing into Cedar Lake, an important area for herring spawning
Nantucket **$15,000**	Seed money to collect water samples in Goose Pond/Consue Springs to document pollutant loading from roadways and to suggest potential remedial solutions

SEAPORT DEVELOPMENT GRANTS (MCZM) [1996-97]

Objective: to modernize Massachusetts' seaports
Funding Source: Seaport Bond Bill

North Shore

Gloucester **$350,000**	Port development plan and implementation for Gloucester Harbor
Gloucester **$145,872**	Dredging and dredge spoil disposal

Gloucester **$500,000**	Elliot/Americold study
Newburyport **$50,000**	Harbor Plan for Newburyport Harbor
Salem **$350,000**	Port development plan and implementation for Salem Harbor
Salem **$145,872**	Dredging and dredge spoil disposal
Salem **$110,000**	Engineering study at New England Power
Salem **$100,000**	Aquaculture Center

South Coastal

Fall River **$350,000**	Port Development Plan and implementation for the port of Fall River
Fall River **$145,872**	Dredging and dredge spoil disposal
Fall River **$500,000**	LDR study
New Bedford/Fairhaven **$325,000**	Port Development Plan and implementation for New Bedford Harbor
New Bedford/Fairhaven **$145,872**	Dredging and dredge spoil disposal
Westport **$15,000**	Scalloping Project

Cape Cod and Islands

Barnstable County	Aquaculture projects
$100,000	
Nantucket	Scalloping Project
$15,000	

Statewide

$100,000	Aquaculture Grants
$100,000	Assistance to fishermen
$100,000	Development of a state-wide fish auction

HARBOR PLANNING GRANTS (MCZM) [1989 - 1996]
Objective: to assist coastal towns with planning harbor development
Funding: State Coastline Protection Act of 1983

North Shore

Newburyport	Harbor Planning in Newburyport Harbor
$14,000	

Metro Boston

Weymouth	Harbor Planning in the Back River
$22,000	

South Coastal

New Bedford	Harbor Planning in New Bedford Harbor
$26,000	
Wareham	Harbor Planning in Onset Bay and Wareham's harbors
$10,000	

Cape Cod and the Islands

Dennis Harbor Planning in Sesuit Harbor
$21,000

Nantucket Harbor Planning in Nantucket Harbor
$15,000

Truro Harbor Planning in Pamet Harbor
$14,000

Wellfleet Harbor Planning in Wellfleet Harbor
$15,500

MASSACHUSETTS BAYS PROGRAM - DEMONSTRATION PROJECTS
Objective: projects to demonstrate an environmental benefit
Funding Source: Massachusetts Bays Program and the EPA

North Shore

Gloucester To expand dye-testing program to control direct sewage discharges from inadequate septic systems (1991)
$16,000

Metro/Boston

Quincy To install a new tidegate to control tidal influx into the stormwater system (1991)
$35,000

Boston To the Friends of the Boston Harbor Islands to protect and renew native and naturalized vegetation on the harbor islands
$15,000 (1992)

Winthrop To restore Lewis Lake through a baseline assessment of the lake, upgrade the tidegate, clean debris, stencil storm drains, and
$31,000 conduct water quality monitoring (1992)

South Coastal

Marshfield, Norwell, Hanover and Pembroke
$33,000 To the North and South River Watershed Association maintain, upgrade, and monitor stormwater drainage systems discharging into the North River (1991)

Cape Cod and the Islands

Barnstable — To monitor the effectiveness of a stormwater infiltration system to be installed at the parking area and boat ramp at Scudder's
$15,000 — Lane, an important shellfish relay area in Cape Cod Bay (1991)

Orleans, Brewster, Eastham
$15,000 — To engineer, install and monitor an alternative on-site septic system (1992)

MASSACHUSETTS BAYS PROGRAM - MINI-BAYS GRANTS [1991-1996]
Objective: to fund research, monitoring, planning, and action in three coastal estuaries
Funding: Massachusetts Bays Program and the EPA

North Shore
Newbury, Rowley, Ipswich
$225,000 — To the Audubon Society: North Shore and Applied Science Associates for research, monitoring, planning, and action in Plum Island Sound

Metro/Boston
Braintree, Weymouth, Quincy
$225,000 — To the Tellus Institute for research, monitoring, planning, and action in the Fore River Estuary

Cape Cod and Islands
Wellfleet
$225,000 — To the Barnstable County Department of Health and Environment for research, monitoring, planning, and action in Wellfleet Harbor

MASSACHUSETTS BAYS PROGRAM - BAYS ACTION GRANTS [1990-1995]

Objective: to fund community-based coastal awareness projects

Funding: the Massachusetts Bays Program and the EPA

Total Annual Allocations	
1990	$4,705
1991	$9,381
1992	$45,620
1993	$18,475
1994	$22,838
1995	$19,680

Project Examples

North Shore

Revere - $1,500 To produce a multi-media presentation on the ecological significance of the Rumney Marshes ACEC (1992)

Salem - $1,500 For the City to distribute informational packages about coastal pollution to every household in the City (1993)

Newbury - $1,500 To construct three 18' dories to be used in the marine education program "Coastal Discoveries" (1993)

Metro/Boston

Charlestown - $1,500 To a private marina to develop poster and brochure advertising availability of marine pump-out stations (1992)

Boston Area - $500 To a local teacher for an educational video tape on the marine environment (1990)

Hull - $1,200 To plant dune grass on Nantasket beach (1996)

South Coastal

Kingston - $1,500 For the Jones River Watershed Association to produce a video about smelt brook and the impact of stormwater (1995)

Hanover - $1,500 To the Chamber of Commerce to design and write a pamphlet on recycling used motor oil (1992)

Plymouth - $1,485 To the Plymouth Marine Mammal Research Center to develop software to help analyze data on whale sightings (1992)

Cape Cod and the Islands

Barnstable, Provincetown, Wellfleet - $1,200
To design and produce permanent outdoor displays on shellfish and water quality (1996)

Sandwich - $1,500 To run a series of coastal walks free for the public complementing a similar program in grades 1 through 3 (1995)

Dennis, Yarmouth - $879
To the Regional High School for students to study the health of Mill Pond (1991)

ISTEA TRANSPORTATION ENHANCEMENT GRANTS (EOTC) [1996]
Objective: to improve and enhance transportation and transportation related activities
Funding Source: the federal Intermodal Surface Transportation Enhancement Act of 1991

Metro-Boston
Weymouth To treat stormwater pollution on the Back River
$58,800

South Coastal
Kingston To Jones River Watershed Association for a stormwater pollution control project
$45,000

Cape Cod and Islands
Edgartown To treat stormwater pollution from roadways with infiltration basins
$64,800

Oak Bluffs To study stormwater pollution at Farm Pond
$22,500

Tisbury To treat stormwater pollution from roadways with infiltration basins
$91,840

COASTAL ACCESS GRANTS (DEM) [1995-1996]

Objective: to enhance the public's access to the coast
Funding: the Open Space Bond Bill of 1987

North Shore

Beverly **$3,035**	For a shoreline education and access project
Beverly **$3,000**	For the rehabilitation of Pleasant View Tidal Beach (Porter St.)
Danvers **$3,000**	For re-establishment of Public Access Ways Project
Danvers **$3,000**	The re-establishment of public access ways (1996)
Danvers **$3,000**	For establishment of Public Access Ways
Essex County **$3,000**	To the Essex County Greenbelt Association for the Coastal Educator's Passport (1996)
Essex **$3,000**	To the Essex Shipbuilding Museum for Museum Shipyard Site Access and Signage
Gloucester **$3,000**	For the Solomon Jacobs Park Rehabilitation Project
Gloucester **$3,000**	For Stage Fort Park Walkway to Half Moon Beach Improvement
Gloucester/Rockport **$3,000**	For Cape Ann Land and Sea Trail Project
Ipswich **$3,000**	To The Trustees of Reservations for a Salt Marsh Boardwalk at Greenwood Farm

Manchester To the Brookwood School for Curriculum Development & Educator Training (1996)
$2,930

Marblehead For reclamation of Marblehead Neck Public Ways to the Sea
$2,888

Marblehead/Swampscott
$3,000 For the access to the intertidal zone

Rockport For the Old Garden Path Rip Rap Restoration Project
$3,000

Rockport For development of Coastal Path Curriculum
$3,000

Salisbury For the Ninth Street East Handicapped Access (1996)
$3,000

Metro-Boston

Boston To the Boston Harbor Association for HarborWalk: Access to Boston's Waterfront (1996)
$3,000

Boston To the Boston Natural Areas Fund for the Neponset Salt Marsh Trail Construction (1996)
$3,000

Boston To Thompson Island Outward Bound for Thompson Island Public Access (1996)
$3,000

Chelsea To the Environmental Diversity Forum for the Chelsea Creek Project
$3,000

Hingham For Hingham Harbor Park Link Project
$3,000

Hingham For the Bouve Park Coastal Access Project (1996)
$3,000

Quincy For Outdoor Explorations Squantum Point Wild Work
$3,000

Quincy To North Quincy High School for the Quincy Coastal Project (1996)
$2,860

Winthrop To the Boston Natural Areas Fund Belle Isle Marsh Trail and Boardwalk Project
$3,000

Winthrop For the re-establishment of Public Access Ways (1996)
$3,000

South Coastal

Buzzards Bay Communities
$2,635 For enhancing coastal access through town adoption of conservation restriction policies

Fairhaven To the Fairhaven Land Preservation Trust for the Little Bay Conservation Area Access Improvements
$1,800

Kingston To the Jones River Watershed Association for establishment of Public Access Ways (1996)
$3,000

Marion To the Sippican Lands Trust for Junior Stewards Coastal Ecology & Monitoring
$3,000

Marion To the Sippican Lands Trust for the Coastal Access & Shorebird Protection Project (1996)
$3,000

Marshfield To the Marshfield Beach Rights Coalition for Old Rexhame Beach Access (1996)
$3,000

New Bedford To the Hands Across the River Coalition for Riverside Heritage Marine Park (1996)
$3,000

Somerset For the Broad Cove Coastal Access Path
$3,065

Somerset For the Broad Cove Coastal Access Path (1996)
$3,000

Cape Cod and Islands

Barnstable County For mobile audio interpretive program
$3,000

Barnstable Sandy Neck Interpretive Initiative (1997)
$3,000

Barnstable To the Hyannis Area Economic Dev. Corp. for Hyannis Walkway to the Sea
$3,000

Brewster To the Friends of Nickerson State Park for Coastal Interpretive Program (1996)
$1,440

Cape Cod Cooperative Extension
$3,000 For the Mobile Audio Interpretive Program

Dennis For the Chapin Barrier Beach Snow Fence
$3,000

Falmouth For Shining Sea Bikeway community education project
$3,000

Falmouth For design & construction of Sea Farms Pathway to the Sea
$3,000

Falmouth For the Shining Sea Path to the Sea
$3,000

Falmouth To the Beach Committee for Handicapped Access Beach Chairs (1996)
$3,000

Harwich For the Red River Beach Pathway Project
$3,000

Martha's Vineyard For the Coastal Trails Research: Lagoon Pond
$3,000

Martha's Vineyard Commission
$3,000 For the Lagoon Pond Sea Path Implementation (1996)

Mashpee For Shoestring Bay Public Access
$3,000

Mashpee To the Friends of the Mashpee Nat'l Wildlife Refuge for MNWR Educational Materials (1996)
$3,000

Orleans For the Orleans Coastal Access Improvement Program (1996)
$1,670

Provincetown For the Chapter 91 Coastal Access Assessment & Plan
$3,000

Provincetown For Pilgrim's First Landing Park Restoration
$3,000

Provincetown To the Pilgrim Monument Provincetown Museum for Provincetown's Sea Path Exhibit (1996)
$400

Sandwich To the Thornton W. Burgess Society for the East Sandwich Game Farm/Fisherman's Access
$3,000

Wellfleet To the Wellfleet Conservation Trust for management at the Indian Neck Conservation Area
$3,000

Wellfleet To the South Wellfleet Neighborhood Association for Views of Wellfleet's Ways to the Sea (1996)
$3,000

319 NONPOINT SOURCE POLLUTION PROGRAM [1990-1995]

Objective: to fund projects which control nonpoint source pollution
Funding Source: Section 319 of the federal Clean Water Act of 1987

North Shore

Rowley — To Massachusetts Audubon Society for the Mill River Nonpoint Pollution Project (1995)
$49,000

Gloucester (and Harwich)
$71,903 — To install stormwater remediation units where runoff is impacting shellfish beds (1995)

Metro Boston

Brookline — To restore one acre of wetlands at the Hall's Pond Sanctuary (1997)
$68,757

Milton — To restore an anadramous fish run on the Neponset River (1995)
$34,000 — (includes funding from EOEA and the US Fish & Wildlife Service)
[an additional $520,000 will be funded to complete the project by 1999]

South Coastal

Buzzards Bay communities
$38,550 — For an investigation by UMASS of innovative cranberry bog farming (1991)

Bourne — For a stormwater remediation project at Buttermilk Bay where shellfish beds are closed (1995)
$144,000

Dartmouth — To demonstrate an alternative on-site wastewater disposal system at Allen's Pond (1995)
$29,500 — (includes grant from the Massachusetts Audubon Society)

Dartmouth and Wareham
$52,500 — To demonstrate the use of conservation restrictions and other land protection tools as Best Management Practices at Slocums River, Dartmouth and Onset Bay, Wareham to protect sensitive coastal embayments (1997)

Marion — For a stormwater remediation project at Sprague's Cove (1992)
$56,000 — (includes grant from MCZM, Buzzards Bay Project, and US Fish & Wildlife)

Marion For a stormwater project using detention basins and bioengineering at Holmes Brook (1995)
$45,000

Scituate, Marshfield, Norwell, Hanover, and Pembroke
$35,000 To the North and South River Watershed Association for Stormwater sampling and BMP construction (1990)

Wareham For a stormwater remediation project at Broad Marsh (1993)
$88,450

Wareham To install a fish ladder on the Weweantic River at Horseshoe Pond to improve herring migration (1997)
$45,160

Cape Cod and Islands

Barnstable To the Red Lily Pond Association to restore Red Lily Pond and its functions as spawning habitat for migratory anadramous fishes
$393,000 (1997)

Barnstable To capture and treat road runoff contaminating shellfish beds in Cotuit Bay through infiltration trenches (1997)
$92,700

Barnstable County Health Department
$30,226 To demonstrate alternative on-site septic systems (1994)

Barnstable County Health Department
$21,100 Training for Boards of Health in Eastham, Orleans, Provincetown, Truro, and Wellfleet (1995)

Barnstable County Health Department
$20,534 To supply technical assistance information to Cape communities relative to on-site septic system technologies (1997)

Barnstable County Health Department
$20,534 To assist the County with increasing compliance with existing regulations on underground heating oil storage to protect Cape Cod's sole source aquifer (1997)

Cape Cod Communities To the Cape Cod Commission for a hydrogeologic study of groundwater flows in Waquoit Bay watershed (1991)
$85,000 (includes grant from the Cape Cod Commission)

Cape Cod Communities To Barnstable County for investigation of impacts to drinking water supplies (1993)
$33,100

Cape Cod Communities For development of Coastal Nonpoint Pollution Management Plan (1993)
$78,833

Dennis For a stormwater remediation project at Swan Pond River (1995)
$55,040

Harwich (and Gloucester, as above)
$71,903 To install stormwater remediation units where runoff is impacting shellfish beds (1995)

Orleans Stormwater remediation project (1994)
$89,000

Tisbury For a stormwater pollution project at Lake Tashmoo (1994)
$50,000

GULF OF MAINE MINI-GRANTS [1995, 1996]

Objective: to support protection and management of the Gulf of Maine's natural resources
Funding Source: Environmental Protection Agency (EPA)

North Shore

Ipswich To the Ipswich River Watershed Association for the preparation of educational materials, classroom and workshop presentations
$10,000 and field sampling about pollution from pet wastes (1996)

Newbury, Rowley To the Parker River Clean Water Association for work on an assessment of tidal restrictions to salt marshes (1996)
$6,132

Salem, Peabody, Danvers, Beverly, and Manchester
$4,125 To Salem Sound 2000 to support an education and public outreach campaign

Salem, Peabody, Danvers, Beverly, and Manchester
$7,500 To Salem Sound 2000 to assist in the formation of local stream teams which conduct water quality monitoring in streams which empty into coastal waters (1996)

Salem, Peabody, Danvers, Beverly, and Manchester
$700 To Salem Sound 2000 for storm drain stencilling guides and informational flyers, for distribution in five towns

Salisbury to Gloucester
$4,956
To Massachusetts Audubon: North Shore to support the development of an Implementation Strategy for the Great Salt Marsh of Northern Massachusetts

Saugus
$1,135
To the Saugus River Watershed Council for the restoration of a salt marsh at Ballard Street (1996)

Metro Boston
Boston
$10,000
To the Conservation Law Foundation for a one day conference which will focus on the sea floor of the Gulf of Maine and its importance for fisheries habitat, and disturbances to it from fishing gear and natural causes (1996)

South Coastal
Hingham
$700
To the Hingham Harbor Development Committee for materials advertising the local spring harbor cleanup

Cape Cod and Islands
Eastham
$700
To the Eastham Forum, Inc for the production and distribution of educational flyers, signs

Nantucket
$8,000
To Harborlife, Inc. for the development of a cost effective method for eelgrass propagation in Nantucket Harbor (1996)

Other
Mass Bays Towns (49 communities)
$700
Educational materials in several languages, on contaminated shellfish and pollution caused by marine debris/other sources

BUZZARDS BAY PROJECT - VARIOUS GRANTS AWARDED TO TOWNS [1987-1996]
Objective: Improve Water Quality in Buzzards Bay and its Watershed
Funding Source: Environmental Protection Agency's National Estuary Program

Acushnet
$3,000 Board of Health Computer and Software
$70,624 Stormwater project (phase 3)

Bourne	
$35,000	Stormwater project at Hen's Cove
$5,000	Land-based pumpout facility
$3,500	Oil spill equipment
$17,975	Stormwater project (phase 2)
$100,000	Electric Avenue Stormwater Project
$1,000	Septic System Tracking Software
Dartmouth	
$13,200	Buttonwood Brook Project I
$6,600	Buttonwood Brook Project II
$24,240	Coastal Resource Mapping
$5,000	Mobile Boat Pumpout
$3,500	Oil Spill Equipment
$70,000	Stormwater project (phase 2)
$3,000	Board of Health Computer and Software
Fairhaven	
$5,279	Town Board Cooperation
$5,000	Mobile Boat Pumpout
$2,545	Pumpout Sewer Extension
$3,500	Oil Spill Equipment
$1,250	Nitrogen Management
$20,000	Stormwater project (phase 1)
$50,000	Stormwater Assessment
$3,000	Board of Health Computer and Software
Falmouth	
$13,730	Coastal Resource Mapping
$2,000	Oil Spill Equipment
$10,000	Nitrogen Management
$10,000	Stormwater project (phase 1)
$3,000	Board of Health Computer and Software
Gosnold	
$1,000	Septic System Tracking Software

Marion

$4,300	Con Com/SOS Monitoring
$1,600	Oil Spill Equipment
$5,400	Mobile Boat Pumpout
$25,000	Regional Conservation Agent
$1,400	Regional Conservation Agent Add-on
$1,500	Oil Spill Equipment
$3,000	Board of Health Computer and Software

Mattapoisett

$12,100	Land-based Pumpout Sewer Extension
$2,500	Oil Spill Equipment
$3,000	Board of Health Computer and Software
$5,000	Herring Run Restoration

New Bedford

$33,500	Stormwater/CSO Sluice Gate
$9,000	Sanitary Survey Support
$2,000	Oil Spill Equipment
$35,000	Stormwater project (phase 2)
$3,000	Board of Health Computer and Software

Rochester

$2,000	Oil Spill Equipment
$3,000	Board of Health Computer and Software
$20,000	Herring Run Restoration

Wareham

$10,200	Mooring Plan and Boater Survey
$2,000	Oil Spill Equipment
$6,000	Natural Resource Mapping
$15,000	Stormwater project (phase 1)
$100,000	Stormwater project (phase 2)
$65,000	Red Brook Stormwater project
$3,000	Board of Health Computer and Software

Westport

$5,000	Mobile Boat Pumpout
$1,900	Oil Spill Equipment
$3,000	Pumpout Tight Tank
$5,540	Land Based Pumpout
$2,000	Add-on to Land Based Pumpout
$2,000	Oil Spill Equipment
$2,241	Herring Run Restoration
$3,000	Nitrogen Management
$3,000	Board of Health Computer and Software
$7,000	Westport River Watershed Alliance Monitoring Support
$3,000	Board of Health Lab Equipment and Monitoring
$10,000	Westport River Watershed Alliance Monitoring Support

Marion/Acushnet/Rochester

$25,000	Regional Sanitarian

New Bedford/Fairhaven

$6,000	Boat Pumpout Study
$2,500	Oil Spill Equipment

New Bedford/Fairhaven/Dartmouth

$19,000	Coastal Resource Mapping

Dartmouth/Westport

$10,000	Nitrogen Management

Barnstable County

$6,600	Sanitary Survey Support

Buzzards Bay Action Committee

$249,000	Support for Executive Director